



Math Kangaroo in USA

since 1998

International Competition in Mathematics

A FUN MATH EVENT FOR STUDENTS IN GRADES 1-12

Thursday, March 16, 2017

5:40-7:30 PM

at California State University, Fresno

Learn more and register at <http://www.mathkangaroo.org/> .

Registration deadline: December 15, 2016

Sample problems

Grades 1-2: Today it is March 18, 2010, and I am 7 years old. How old will I be on March 18, 2020
A) 17 years old B) 16 years old C) 13 years old D) 12 years old

Grades 3-4: Matthew and Clara live in a skyscraper. Clara lives 12 floors above Matthew. One day Matthew went to visit Clara, and he took the stairs up from his apartment to Clara's apartment. Half-way up he was on the 8th floor. On what floor does Clara live?
A) 12 B) 14 C) 16 D) 20 E) 24

Grades 5-6: Adam divided a certain secret number by 7. Then, he added 7 to the result and multiplied the number he obtained in this way by 7. For the final result he got the number 777. What was Adam's secret number?
A) 770 B) 111 C) 722 D) 567 E) 728

Grades 7-8: The smallest two-digit number that is not the sum of three different one-digit numbers is
A) 10 B) 15 C) 23 D) 25 E) 28

Grades 9-10: On a certain island, frogs are always either green or blue. The number of blue frogs increased by 60% while the number of green frogs decreased by 60%. It turns out that the new ratio of blue frogs to green frogs is the same as the previous ratio in the opposite order (green frogs to blue frogs). By what percentage did the overall number of frogs change?
A) 0% B) 20% C) 30% D) 40% E) 50%

See more sample problems at the above website.

Students in grades 6-12: Fresno State also hosts a Math Field Day on April 22, 2017! See <http://www.fresnostate.edu/csm/math/activities-and-events/news-and-events/field-day/>.